

Wei Yu

List of Publications by Year in descending order

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57758

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all docs

117
docs citations

117
times ranked

6538
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#	ARTICLE	IF	CITATIONS
1	Benzoxazole-Linked Ultrastable Covalent Organic Frameworks for Photocatalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 4623-4631.	13.7	555
2	Chemically Exfoliated VSe ₂ Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	21.0	251
3	TBAI-catalyzed oxidative coupling of aminopyridines with α -keto esters and 1,3-diones synthesis of imidazo[1,2-a]pyridines. <i>Chemical Communications</i> , 2011, 47, 11333.	4.1	233
4	Oxime Radical Promoted Dioxygenation, Oxyamination, and Diamination of Alkenes: Synthesis of Isoxazolines and Cyclic Nitrones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8816-8820.	13.8	190
5	Efficient aerobic oxidative synthesis of 2-aryl quinazolines via benzyl C-H bond amination catalyzed by 4-hydroxy-TEMPO. <i>Chemical Communications</i> , 2011, 47, 7818.	4.1	136
6	The Reaction of Tertiary Anilines with Maleimides under Visible Light Redox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3561-3567.	4.3	131
7	Copper-Catalyzed Oxidative Oxyamination/Diamination of Internal Alkenes of Unsaturated Oximes with Simple Amines. <i>ACS Catalysis</i> , 2016, 6, 6525-6530.	11.2	129
8	Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. <i>Nano Letters</i> , 2019, 19, 5109-5117.	9.1	129
9	Covalent Organic Framework-Based Li ⁺ CO ₂ Batteries. <i>Advanced Materials</i> , 2019, 31, e1905879.	19.0	129
10	Solution-Processable Covalent Organic Framework Electrolytes for All-Solid-State Li ⁺ Organic Batteries. <i>ACS Energy Letters</i> , 2020, 5, 3498-3506.	17.4	114
11	Ferroelectricity and Rashba Effect in a Two-Dimensional Dion-Jacobson Hybrid Organic-Inorganic Perovskite. <i>Journal of the American Chemical Society</i> , 2019, 141, 15972-15976.	13.7	113
12	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. <i>ACS Nano</i> , 2022, 16, 8213-8222.	14.6	109
13	In-Plane Ferroelectric Tin Monosulfide and Its Application in a Ferroelectric Analog Synaptic Device. <i>ACS Nano</i> , 2020, 14, 7628-7638.	14.6	106
14	Iminoxyl Radical-Promoted Dichotomous Cyclizations: Efficient Oxyoximation and Aminooximation of Alkenes. <i>Organic Letters</i> , 2014, 16, 4650-4653.	4.6	105
15	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021, 20, 181-187.	27.5	102
16	Realizing Interfacial Electronic Interaction within ZnS Quantum Dots/NrGO Heterostructures for Efficient Li ⁺ CO ₂ Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901806.	19.5	101
17	Rapid, Scalable Construction of Highly Crystalline Acylhydrazone Two-Dimensional Covalent Organic Frameworks via Dipole-Induced Antiparallel Stacking. <i>Journal of the American Chemical Society</i> , 2020, 142, 4932-4943.	13.7	99
18	Palladium supported on a magnetic microgel: an efficient and recyclable catalyst for Suzuki and Heck reactions in water. <i>Green Chemistry</i> , 2013, 15, 3429.	9.0	97

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19	Activating Basal Planes of NiPS ₃ for Hydrogen Evolution by Nonmetal Heteroatom Doping. <i>Advanced Functional Materials</i> , 2020, 30, 1908708.	14.9	96
20	Synthesis of oxindoles via visible light photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 498-501.	2.8	92
21	Transition from $\dot{\text{I}}\text{f}$ Radicals to $\dot{\text{I}}\text{f}$ Radicals: Substituent-Tuned Cyclization of Hydrazonyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3158-3162.	13.8	92
22	Synthesis of Isoxazoline-Functionalized Phenanthridines via Iminoxyl Radical-Participated Cascade Sequence. <i>Organic Letters</i> , 2014, 16, 6476-6479.	4.6	91
23	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , 2021, 15, 7105-7113.	14.6	90
24	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. <i>Advanced Materials</i> , 2020, 32, e2000693.	21.0	87
25	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2021, 33, e2103360.	21.0	84
26	Ordered clustering of single atomic Te vacancies in atomically thin PtTe ₂ promotes hydrogen evolution catalysis. <i>Nature Communications</i> , 2021, 12, 2351.	12.8	83
27	Divergent Synthesis of Chiral Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9443-9447.	13.8	81
28	4-HO-TEMPO-Catalyzed Redox Annulation of Cyclopropanols with Oxime Acetates toward Pyridine Derivatives. <i>ACS Catalysis</i> , 2019, 9, 4179-4188.	11.2	81
29	Intrinsic polarization coupling in 2D In_2Se_3 toward artificial synapse with multimode operations. <i>SmartMat</i> , 2021, 2, 88-98.	10.7	81
30	An efficient aerobic oxidative aromatization of Hantzsch 1,4-dihydropyridines and 1,3,5-trisubstituted pyrazolines. <i>Tetrahedron</i> , 2006, 62, 2492-2496.	1.9	75
31	Iminoxyl Radical-Promoted Oxycyanation and Aminocyanation of Unactivated Alkenes: Synthesis of Cyano-Featured Isoxazolines and Cyclic Nitrones. <i>Organic Letters</i> , 2017, 19, 3255-3258.	4.6	67
32	Dioxygen Activation via Cu-Catalyzed Cascade Radical Reaction: An Approach to Isoxazoline/Cyclic Nitronone-Featured β -Ketols. <i>ACS Catalysis</i> , 2017, 7, 7830-7834.	11.2	67
33	A High-Performance Lithium Metal Battery with Ion-Selective Nanofluidic Transport in a Conjugated Microporous Polymer Protective Layer. <i>Advanced Materials</i> , 2021, 33, e2006323.	21.0	64
34	Cobalt Single-Atom-Intercalated Molybdenum Disulfide for Sulfide Oxidation with Exceptional Chemoselectivity. <i>Advanced Materials</i> , 2020, 32, e1906437.	21.0	62
35	Dense π -Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11359-11369.	13.8	62
36	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17991-17995.	13.8	60

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37	Zero-valent Palladium Single-Atoms Catalysts Confined in Black Phosphorus for Efficient Semi-hydrogenation. <i>Advanced Materials</i> , 2021, 33, e2008471.	21.0	55
38	Surface-Limited Superconducting Phase Transition on 1T-TaS ₂ . <i>ACS Nano</i> , 2018, 12, 12619-12628.	14.6	54
39	Hydrosulfonylation of Unactivated Alkenes by Visible Light Photoredox Catalysis. <i>Organic Letters</i> , 2019, 21, 9236-9240.	4.6	54
40	PtCl ₂ -catalyzed reactions of o-alkynylanilines with ethyl propiolate and dimethyl acetylenedicarboxylate. <i>Tetrahedron</i> , 2009, 65, 1140-1146.	1.9	53
41	Synthesis of Quinoxaline Derivatives via Tandem Oxidative Azidation/Cyclization Reaction of <i>N</i> -Arylenamines. <i>Organic Letters</i> , 2016, 18, 868-871.	4.6	52
42	Visible Light-Induced Radical Cyclization of Ethyl 2-(<i>N</i> -Arylcarbamoyl)-2-Chloroiminoacetates: Synthesis of Quinoxaline(1 <i>H</i>)-ones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3696-3702.	4.3	50
43	tert-Butyl nitrite-mediated vicinal sulfoximation of alkenes with sulfinic acids: a highly efficient approach toward β -sulfonyl ketoximes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 135-139.	4.5	49
44	From All-Triazine C ₃ N ₃ Framework to Nitrogen-Doped Carbon Nanotubes: Efficient and Durable Trifunctional Electrocatalysts. <i>ACS Applied Nano Materials</i> , 2019, 2, 7969-7977.	5.0	49
45	Cobalt-catalyzed aerobic oxidative cyclization of β,β -unsaturated oximes. <i>Tetrahedron</i> , 2013, 69, 3274-3280.	1.9	48
46	Copper-Catalyzed Cyclization and Azidation of β,β -Unsaturated Ketone O-Benzoyl Oximes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 64-70.	4.3	45
47	A CAN-initiated aza-Diels-Alder reaction for a facile synthesis of 4-amido-N-yl tetrahydroquinolines. <i>Tetrahedron Letters</i> , 2006, 47, 3545-3547.	1.4	44
48	Magnetic polymer nanocomposite-supported Pd: an efficient and reusable catalyst for the Heck and Suzuki reactions in water. <i>New Journal of Chemistry</i> , 2015, 39, 2052-2059.	2.8	44
49	Cu-Catalyzed Radical Cascade Annulations of Alkyne-Tethered <i>N</i> -Alkoxyamides with Air: Facile Access to Isoxazolidine/1,2-Oxazinane-Fused Isoquinolin-1(2 <i>H</i>)-ones. <i>ACS Catalysis</i> , 2018, 8, 8925-8931.	11.2	44
50	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. <i>Advanced Materials</i> , 2021, 33, e2102083.	21.0	43
51	Copper-catalyzed radical reactions of 2-azido- <i>N</i> -arylacrylamides with 1-(trifluoromethyl)-1,2-benziodoxole and 1-azidyl-1,2-benziodoxole. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3376-3384.	2.8	42
52	The Synthesis of Polysubstituted Pyrroles via the Coupling of Phenyliodonium Ylides and Enamine Esters. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2063-2066.	4.3	41
53	A solution-processable and ultra-permeable conjugated microporous thermoset for selective hydrogen separation. <i>Nature Communications</i> , 2020, 11, 1633.	12.8	40
54	Copper-Catalyzed Cascade Cyclization of 1,7-Enynes toward Trifluoromethyl-Substituted 1 <i>H</i> -Spiro[azirine-2,4-quinolin]-2(3 <i>H</i>)-ones. <i>Organic Letters</i> , 2017, 19, 5186-5189.	4.6	38

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55	Iron-Catalyzed Acyl Migration of Tertiary α -Azidyl Ketones: Synthetic Approach toward Enamides and Isoquinolones. <i>Organic Letters</i> , 2018, 20, 1875-1879.	4.6	38
56	Visible Light-Driven Azidation/Difunctionalization of Vinyl Arenes with Azidobenziodoxole under Copper Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10978-10989.	3.2	38
57	Deconstructive Oxygenation of Unstrained Cycloalkanamines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3900-3904.	13.8	38
58	Photocatalytic <i>Anti</i> -Markovnikov Radical Hydro- and Amino-oxygenation of Unactivated Alkenes Tuned by Ketoxime Carbonates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21997-22003.	13.8	38
59	Iron-Catalyzed Intramolecular C-H Amination of α -Azidyl Amides. <i>Organic Letters</i> , 2019, 21, 1559-1563.	4.6	36
60	Synthesis of Halomethyl Isoxazoles/Cyclic Nitrones via Cascade Sequence: 1,2-Halogen Radical Shift as a Key Link. <i>Organic Letters</i> , 2018, 20, 2906-2910.	4.6	34
61	Phenylodine Bis(trifluoroacetate) Mediated Intramolecular Oxidative Coupling of Electron-Rich N-Phenyl Benzamides. <i>Synlett</i> , 2012, 23, 1534-1540.	1.8	33
62	Iron-Phosphine Complex-Catalyzed Intramolecular C(sp ³)-H Amination of Azides. <i>Organic Letters</i> , 2020, 22, 1961-1965.	4.6	32
63	Ag ₂ O-Mediated Intramolecular Oxidative Coupling of Acetoacetanilides for the Synthesis of 3-Acetyloxindoles. <i>Synlett</i> , 2010, 2010, 2607-2610.	1.8	28
64	High-Yield Exfoliation of Monolayer 1T TM -MoTe ₂ as Saturable Absorber for Ultrafast Photonics. <i>ACS Nano</i> , 2021, 15, 18448-18457.	14.6	28
65	Room Temperature Commensurate Charge Density Wave on Epitaxially Grown Bilayer 2H-Tantalum Sulfide on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2020, 14, 3917-3926.	14.6	27
66	<i>N</i> -Bromosuccinimide-Mediated Radical Cyclization of 3-Arylallyl Azides: Synthesis of 3-Substituted Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 221-226.	4.3	26
67	A Domino Azidation/C-H Amination Approach toward Trifluoromethyl Substituted Imidazoles. <i>Journal of Organic Chemistry</i> , 2017, 82, 11841-11847.	3.2	25
68	<i>Anti</i> -Markovnikov Hydroazidation of Alkenes by Visible-Light Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 3510-3514.	3.3	25
69	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020, 32, e1907645.	21.0	25
70	Straightforward access to aryl-substituted/fused 1,3-dithiole-2-chalcogenones by Cu-catalyzed C-S coupling between aryl iodides and zinc-thiolate complex (TBA) ₂ [Zn(DMIT) ₂]. <i>RSC Advances</i> , 2013, 3, 10193.	3.6	23
71	<i>tert</i> -Butyl Hydroperoxide and Tetrabutylammonium Iodide-Promoted Free Radical Cyclization of α -Amino- <i>N</i> -arylamides and α -Azido- <i>N</i> -arylamides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2529-2539.	3.57	23
72	Silver-Catalyzed Site-Selective Ring-Opening and C-C Bond Functionalization of Cyclic Amines: Access to Distal Aminoalkyl-Substituted Quinones. <i>Organic Letters</i> , 2019, 21, 4590-4594.	4.6	23

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73	Preparation of Oxindoles via Visible-Light-Induced Amination/Cyclization of Arylacrylamides with Alkyl Amines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3116-3120.	4.3	22
74	Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020, 30, 2003057.	14.9	22
75	Atomic Imaging of Electrically Switchable Striped Domains in In ₂ Se ₃ . <i>Advanced Science</i> , 2021, 8, e2100713.	11.2	22
76	Oxygen-Involved Oxidative Deacetylation of α -Substituted β -Acetyl Amides – Synthesis of α -Keto Amides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3708-3714.	4.3	21
77	Divergent Synthesis of Chiral Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2019, 131, 9543-9547.	2.0	20
78	Photochemical reductive desulfonylation of β -ketosulfones by ascorbic acid. <i>Tetrahedron Letters</i> , 2006, 47, 1805-1807.	1.4	19
79	Chemical design and synthesis of superior single-atom electrocatalysts <i>in situ</i> polymerization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17683-17690.	10.3	19
80	Molecular engineered palladium single atom catalysts with an M-C ₁ N ₃ subunit for Suzuki coupling. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11427-11432.	10.3	18
81	ZrCl ₄ /Hantzsch 1,4-dihydropyridine as a new and efficient reagent combination for the direct reductive amination of aldehydes and ketones with weakly basic amines. <i>Chinese Chemical Letters</i> , 2007, 18, 458-460.	9.0	17
82	Synthesis of quinazolinones via radical cyclization of α -azidyl benzamides. <i>Organic Chemistry Frontiers</i> , 2017, 4, 421-426.	4.5	17
83	Visible-Light-Driven Remote C ¹³ H Chlorination of Aliphatic Sulfonamides with Sodium Hypochlorite. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1650-1654.	2.7	17
84	Visible Light Driven and Copper-Catalyzed C(sp ³) α -H Functionalization of <i>o</i> -Pentafluorobenzoyl Ketone Oximes. <i>Organic Letters</i> , 2021, 23, 6057-6061.	4.6	16
85	Atomically Precise Single Metal Oxide Cluster Catalyst with Oxygen-Controlled Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
86	Degradation Chemistry and Kinetic Stabilization of Magnetic CrI ₃ . <i>Journal of the American Chemical Society</i> , 2022, 144, 5295-5303.	13.7	13
87	Iron-catalysed 1,2-acyl migration of tertiary α -azido ketones and 2-azido-1,3-dicarbonyl compounds. <i>Green Chemistry</i> , 2019, 21, 6097-6102.	9.0	12
88	Photoinduced Site-Selective C(sp ³) α -H Chlorination of Aliphatic Amides. <i>Organic Letters</i> , 2020, 22, 8899-8903.	4.6	11
89	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , 2021, 133, 11460-11470.	2.0	11
90	Y-Zeolite-Catalyzed Cyclizations of Terpenols. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 59-62.	4.3	10

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91	Iron-catalysed 1,2-aryl migration of tertiary azides. <i>Chemical Communications</i> , 2020, 56, 11685-11688.	4.1	10
92	Visible-Light-Driven Aryl Migration and Cyclization of $\hat{\pm}$ -Azido Amides. <i>Organic Letters</i> , 2021, 23, 4527-4531.	4.6	10
93	Deconstructive Oxygenation of Unstrained Cycloalkanamines. <i>Angewandte Chemie</i> , 2020, 132, 3928-3932.	2.0	10
94	BiX_{3} and FeX_{3} -Promoted Prins Cyclization of Enol Ethers in $\text{CH}_{2}\text{Cl}_{2}$. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1439-1444.	4.9	9
95	Visible-light-promoted radical amidoarylation of arylacrylamides towards amidated oxindoles. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2164-2168.	4.5	9
96	tert-Butyl Hypochlorite Induced Cyclization of Ethyl 2-(N-Aryl $\hat{\pm}$ carbamoyl)-2-iminoacetates. <i>Synthesis</i> , 2017, 49, 4283-4291.	2.3	8
97	Preparation and self-assembly behavior of thermosensitive polymeric micelles comprising poly(styrene- <i>b</i> -N,N-diethylacrylamide). <i>Journal of Applied Polymer Science</i> , 2008, 110, 900-907.	2.6	7
98	Synthesis of 3-aminooxindoles via acid-promoted cyclization of $\hat{\pm}$ -imino-N-arylamides and $\hat{\pm}$ -azido-N-arylamides. <i>Tetrahedron</i> , 2016, 72, 846-852.	1.9	7
99	Iron-Catalyzed 1,4-Phenyl Migration/Ring Expansion of $\hat{\pm}$ -Azido <i>N</i> -Phenyl Amides. <i>Organic Letters</i> , 2021, 23, 8650-8654.	4.6	6
100	Visible light-promoted tandem azidation/cyclization of N-arylenamines towards quinoxalines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 382-388.	3.9	4
101	Catalytically active atomically thin cuprate with periodic Cu single sites. <i>National Science Review</i> , 2023, 10, .	9.5	2
102	Preparation and characterization of thermo-sensitive micelles composed of PSt- <i>b</i> -P(DEA-co-DMA). <i>E-Polymers</i> , 2008, 8, .	3.0	1
103	Photoinduced $\text{C}(\text{sp}^3)\text{-H}$ chlorination of amides with tetrabutyl ammonium chloride. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10228-10232.	2.8	1
104	Outside Front Cover: Volume 2 Issue 1. <i>SmartMat</i> , 2021, 2, i.	10.7	0